

IN THE CLAIMS:

Please amend claims 1, 10, 14, 16, 19, 20 and 24 as set forth below in marked-up form. No new matter has been entered.

Claim 1. (Twice Amended) A communication system that provides an optimum connector path between a hard-wired ~~data-unit terminal~~ and a mobile data unit comprising:

means for locating a serving switch of a wireless communication system that was last in contact with said mobile data unit without attempting to first establish communication with another hard-wired terminal;

means for assigning a temporary local directory number to said serving switch; and

means for communicating with said mobile data unit including ~~said a~~ hard-wired data unit being connected to an alternate non-public switched telephone network and to the public switch telephone network at a location local to said serving switch and dialing said temporary local directory number to activate a connection with said serving switch, thereby establishing a communication link between said hard-wired terminal and said mobile data unit.

Claim 10. (Thrice Amended) A telephone system, comprising:

a hard-wired terminal;

a wireless data unit;

an alternate non-public switch telephone network controlled by at least one server;

a home location register addressable by said server;

a visited location register in selective communication with said home location register, said home location register including a database showing that said visited location register was last in communication with said wireless data unit;

a serving switch of a wireless communication system that was in communication with said wireless data unit and with said visited location register;

said visited location register establishing a temporary local directory number for said serving switch and forwarding said temporary local directory number to said home location register for delivery to said server; and

a hard-wired data unit; connected to said alternate network and to the public switch telephone network, that uses said temporary local directory number to call said serving switch to establish communication with said wireless data unit,

wherein a communication link is established between said hard-wired terminal and said wireless data unit without first attempting to establish a communication link with another hard-wired terminal.

Claim 14. (Twice Amended) A telephone system for communicating between a hard-wired ~~data-unit terminal~~ and a mobile ~~data-unit terminal~~, including a server connected to and controlling an Internet based protocol network for determining the temporary local directory number of a last serving switch in contact with said mobile ~~data-unit terminal~~ and for using said temporary local directory number to establish communication with ~~a wireless modem~~ said mobile terminal, without attempting to first establish communication with another hard-wired terminal, through use of said Internet based protocol network and a public switch telephone network.

Claim 16. (Twice Amended) A method for providing an optimum connector path between a hard-wired ~~data-unit terminal~~ and a mobile data unit comprising the steps of:

locating a serving switch of a wireless communication system that was last in contact with said mobile data unit;

assigning a temporary local directory number to said serving switch; and

communicating with said mobile data unit without attempting to first establish communication with another hard-wired terminal, including the sub-steps of

connecting ~~said~~ a hard-wired data unit to an alternate non-public switched telephone network and to the public switch telephone network at a location local to said serving switch,

dialing said temporary local directory number, and

activating a connection with said serving switch.

Claim 19. (Once Amended) A ~~communication system that provides an optimum connector path~~ for communicating between a hard-wired ~~data-unit terminal~~ and a wireless data unit, comprising:

a public switched telephone network;

an alternate non-public switch telephone network controlled by at least one server and containing at least one hard-wired data unit; and

a wireless communication network for communicating with said wireless data unit, comprising:

a home location register addressable by said server but not associated with a home mobile switch;

a visited location register in selective communication with said home location register, said home location register including a database showing that said visited location register was last in communication with said wireless data unit;

a serving switch in communication with said wireless data unit and with said visited location register, wherein a temporary local directory number for said serving switch is established by said visited location register, said temporary local directory number being forwarded to said home location register for delivery to said server of said alternate non-public switch telephone network;

wherein said at least one hard-wired data unit on said alternate non-public switch telephone network is also in communication with said public switch telephone network, and wherein said at least one hard-wired data unit uses said temporary local directory number to call said serving switch to establish ~~communication-a~~ communication path between said hard-wired terminal and with said wireless data unit.

Claim 20. (Cancel)

Claim 24. (Once Amended) A method of communicating between a hard-wired ~~data-unit terminal~~ and a wireless data unit, comprising the steps of:

initiating a call to said wireless data unit while upon an alternate non-public switch telephone network controlled by at least one server;

establishing communication between said alternate non-public switch telephone network and a wireless network, said wireless network including a home location register addressable by said server but not associated with a home mobile switch;

retrieving a temporary local directory number assigned to said wireless data unit by said wireless network, said temporary local directory number being relayed from said wireless network to said server of said alternate non-public switch telephone network;

selecting ~~said~~ a hard-wired data unit from a pool of geographically disposed hard-wired data units by comparing characteristics of said temporary local directory number with characteristics of each phone number associated with each said hard-wired data unit; and

establishing communication from said hard-wired terminal to said hard-wired data unit on said alternate non-public switch telephone network, and then on through said public switched telephone network, to said wireless data unit on said wireless network.